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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/724,217	12/01/2003	Yutaka Muramatsu	K2020.0001/P001-B	9831	
24998	7590 04/20/2005		EXAM	EXAMINER	
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP			GURZO, PAUL M		
2101 L Street			ART UNIT	ART UNIT	
Washington,	DC 20037		ARTONII	PAPER NUMBER	
			2881		
			DATE MAILED: 04/20/2003	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

			N:1		
	Application No.	Applicant(s)			
	10/724,217	MURAMATSU ET AL.			
Office Action Summary	Examiner	Art Unit			
	Paul Gurzo	2881			
The MAILING DATE of this communication Period for Reply	on appears on the cover sheet w	ith the correspondence address			
A SHORTENED STATUTORY PERIOD FOR F THE MAILING DATE OF THIS COMMUNICAT - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communicati - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ION. FR 1.136(a). In no event, however, may a solon. In a reply within the statutory minimum of thir period will apply and will expire SIX (6) MON statute, cause the application to become Al	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communic BANDONED (35 U.S.C. § 133).	cation.		
Status					
1)⊠ Responsive to communication(s) filed on	01 December 2003.				
	This action is non-final.				
3) Since this application is in condition for a	llowance except for formal mat	ers, prosecution as to the merit	ts is		
closed in accordance with the practice ur	nder <i>Ex parte Quayle</i> , 1935 C.E). 11, 453 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>14-21</u> is/are pending in the appl	ication.				
4a) Of the above claim(s) is/are with					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>14-17 and 20</u> is/are rejected.					
7) Claim(s) <u>18,19 and 21</u> is/are objected to.					
8) Claim(s) are subject to restriction	and/or election requirement.				
Application Papers					
9) The specification is objected to by the Exa	aminer.				
D)⊠ The drawing(s) filed on <u>01 December 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection	to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the o	correction is required if the drawing	(s) is objected to. See 37 CFR 1.12	21(d).		
11)☐ The oath or declaration is objected to by t	he Examiner. Note the attache	d Office Action or form PTO-152	2.		
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for for a (a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 	ments have been received.				
3. Copies of the certified copies of the			<u>.</u>		
application from the International B	•	Toodivou III tillo Huttoriul Otago	'		
* See the attached detailed Office action for	, , , ,	received.			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) 🔲 Interview	Summary (PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-94		s)/Mail Date nformal Patent Application (PTO-152)			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date 1203 and 0604.	SB/08) 5) Notice of 1	—·			

Application/Control Number: 10/724,217

Art Unit: 2881

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 14-17 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nonaka et al. (5,993,373).

Regarding claim 14, 373 teaches a medical particle irradiation apparatus comprising a rotating gantry (40) including an irradiation unit emitting particle beams, a first ring member (72) located within and supported by said rotating gantry such that it can rotate relative to said rotating gantry, a second ring member (62) fixedly located opposite said first frame, and a flexible moving floor (82) located between said first and second frames, said flexible moving floor being engaged with said first and second frames in such a manner as to move freely such that its bottom is substantially level and that it moves as said rotating gantry rotates (col. 4, line 16 - col. 5, line 17 and Fig. 2). They also teach that regardless of how much the rotation gantry (40) rotates, the absolute position of moving ring rail (72), or its position relative to the fixing ring rail (62) is kept constant, and thus the moving floor passage (80) is also kept at the same position (col. 5, lines 12-17). This teaching, in addition to the teaching a conveyor chain fitted to the frame (72), obviously teaches on the claimed use of a position retaining unit. 373 also depicts, in Fig. 2, the connection of the first frame to the moving floor that has a level bottom, and it would have been obvious to connect the second frame to the floor as well, thus achieving a

moving floor guide unit for a flexible moving floor. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to prevent undesired rotation to ensure proper alignment of the rotating gantry with the frames and the floor.

Regarding claims 15-17 and 20, 373 teaches the connection of the unit to the rotating gantry (col. 5, lines 1-17) and Fig. 6 and 7 depict a mesh contact outwardly from the center of rotation of the rotating gantry.

Allowable Subject Matter

Claims 18, 19, and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art does not teach or render obvious a first and second rotational element (of claims 18 and 19) or first and second sprocket (of claim 21) having an uneven portion and a shaft member which couples the rotational elements together wherein the shaft member is attached to the rotating gantry such that the shaft member is free to rotate on its axis.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Gurzo whose telephone number is (571) 272-2472. The examiner can normally be reached on M-Fri. 7:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Lee can be reached at (571) 272-2477. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PMG

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